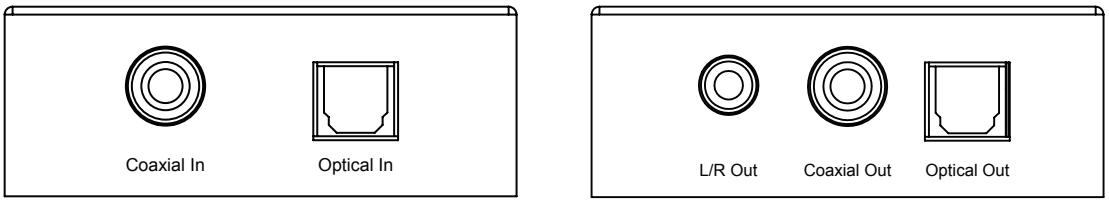

CAT100AU

User Manual

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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Introduction

The CAT100AU is a digital audio extender solution that can send Optical and Coaxial Digital audio concurrently over a single Cat5/6 cable. Further to audio extensions the CAT100AU has in-built DAC (Digital to Analogue Conversion) to convert selected digital audio input to Analogue L/R audio output.

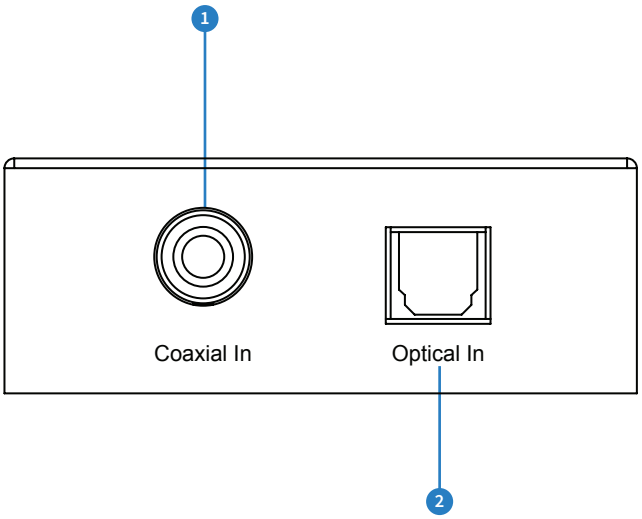
The CAT100AU is useful for either home or professional audio application.

FEATURES:

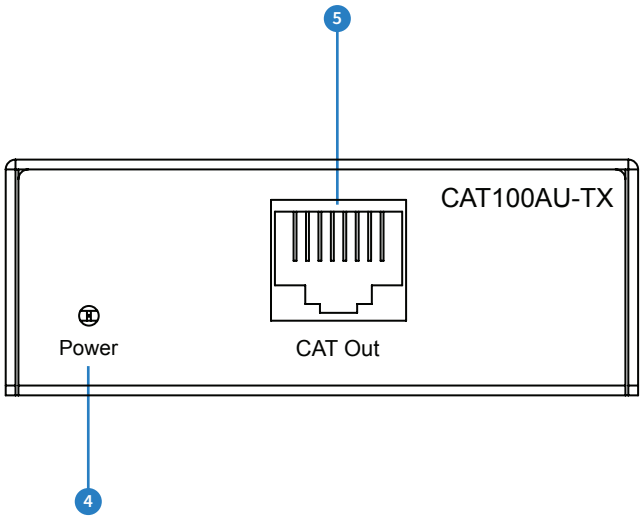
- Extends Optical audio over Cat5/6 cable up to 300m*
- Digital Signal Extension supports Coaxial digital audio over Cat5/6 cable up to 300m*
- Both Optical and Coaxial digital audio can be distributed at the same time
- Converts SPDIF Optical or Coaxial digital PCM audio (selectable) to analogue stereo left/right audio output
- Supports LPCM, DTS, Dolby Digital and Dolby Digital Plus when used as a straight digital in/digital out extender
- Supports sample rates 32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz up to 24-bit resolution
- Ultra low jitter and high fidelity design
- Plug-and-play
- Small compact size
- CAT100 supports distances of up to: 192K - 100m, 96K - 150m 48K - 300m*

CAT100AU - Transmitter

Front Panel



Back Panel

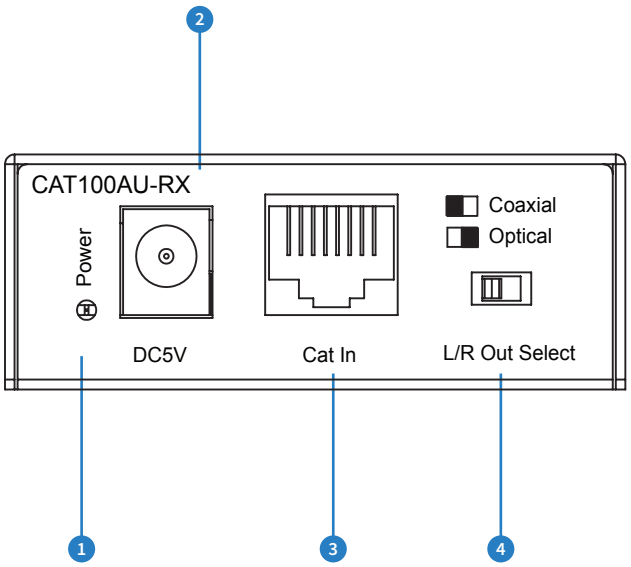


1. Coaxial digital input.
2. Optical digital input

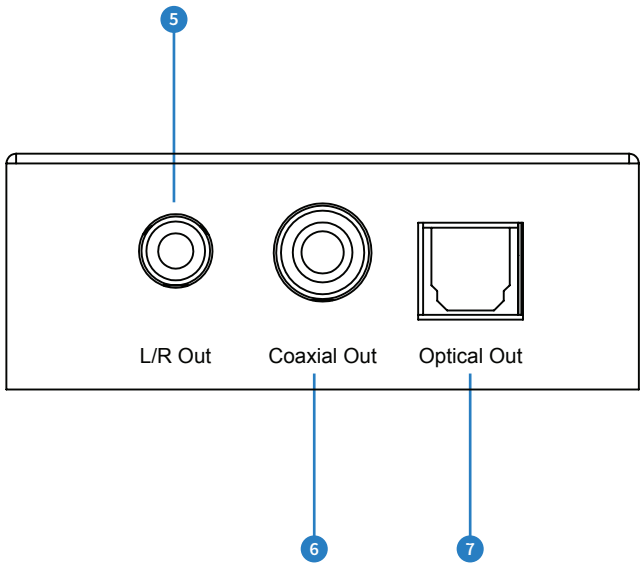
3. Power LED indicator – Displays the status of the power of the unit.
4. Cat5e/6 RJ45 output

CAT100AU - Receiver

Front Panel



Back Panel



1. Power LED indicator – Displays the status of the power of the unit.
2. Power port – Use supplied 5v / 1amp DC adaptor
3. Cat5e/6 RJ45 input
4. DAC input selection – Switch between Optical and Coaxial digital input to be converted to Analogue L/R audio output

5. Analogue L/R audio output - 3.5mm stereo audio jack
6. Coaxial digital output
7. Optical digital output

Specifications

CAT100AU Transmitter

Audio Input Connectors: 1x SPDIF Optical audio & 1x Coaxial digital

Output Connectors: 1x RJ45

CAT100AU Receiver

Input Connectors: 1x RJ45 & 5V/1A DC

Output Connectors: 1x SPDIF Optical audio, 1x Coaxial digital & 1x Analogue left/right - 3.5mm stereo audio jack

Casing Dimensions (W x H x D): 69mm x 64mm x 24mm

Dimensions including connections (W x H x D): 76mm x 64mm x 28mm

Shipping Weight: 0.4kg

Operating Temperature: 32°F to 104°F (0°C to 40°C)

Storage Temperature : -4°F to 140°F (-20°C to 60°C)

Power Supply: 5V/1A DC

Package Contents:

- 1 x CAT100AU-TX
- 1x CAT100AU-RX
- 1 x 5V/1A DC power supply
- 1 x Mounting kit

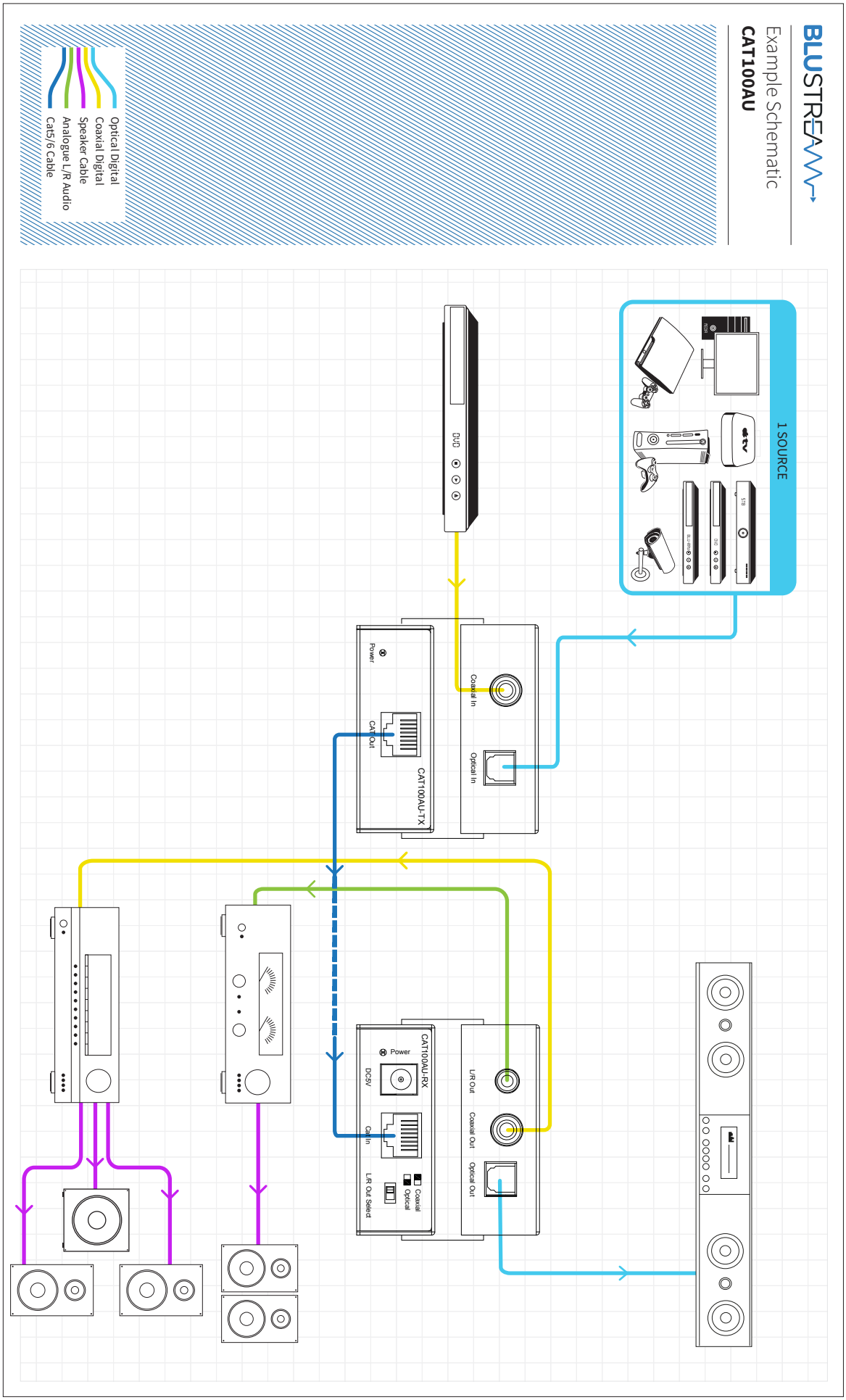
Maintenance:

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

BLUSTREAM

Example Schematic

CAT100AU



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